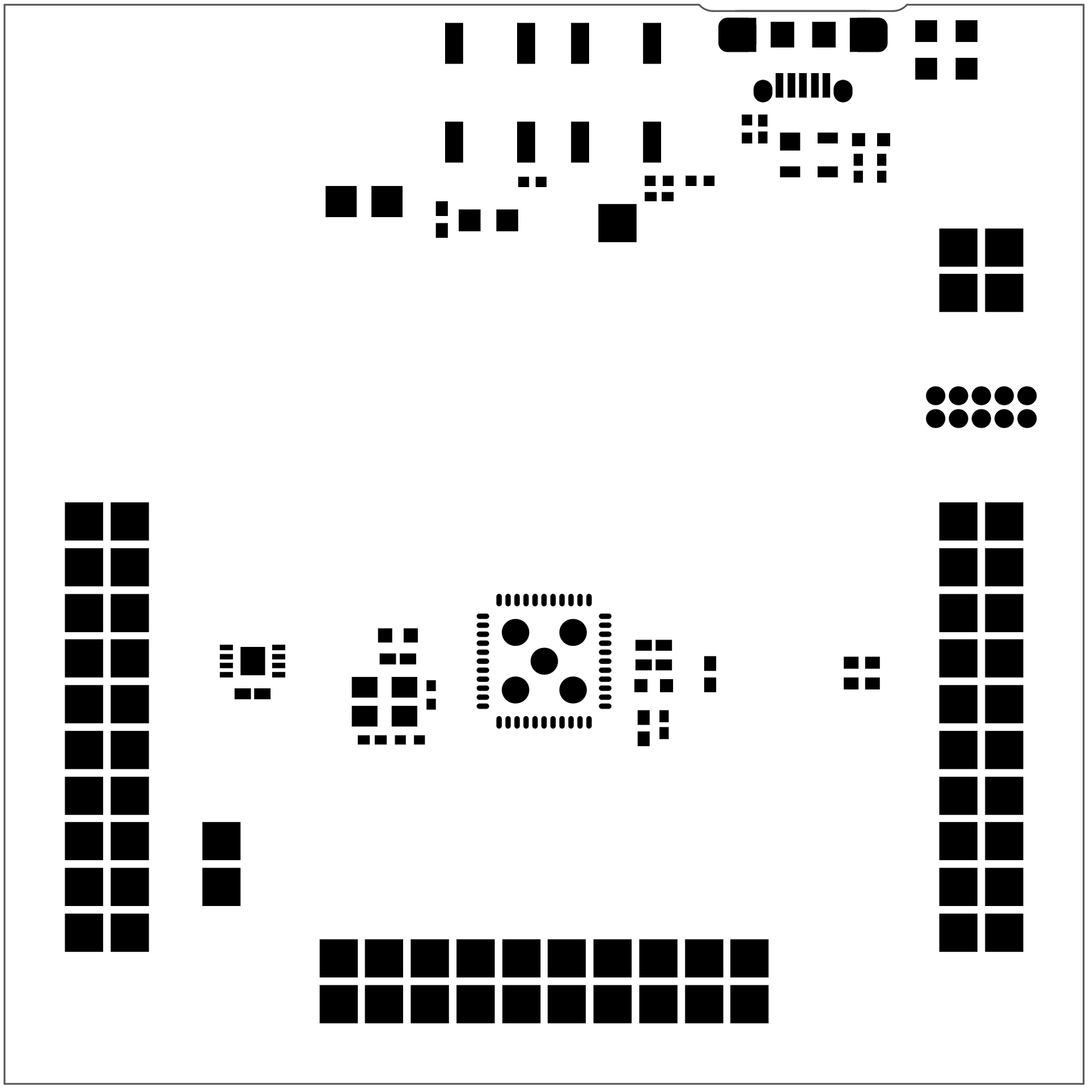

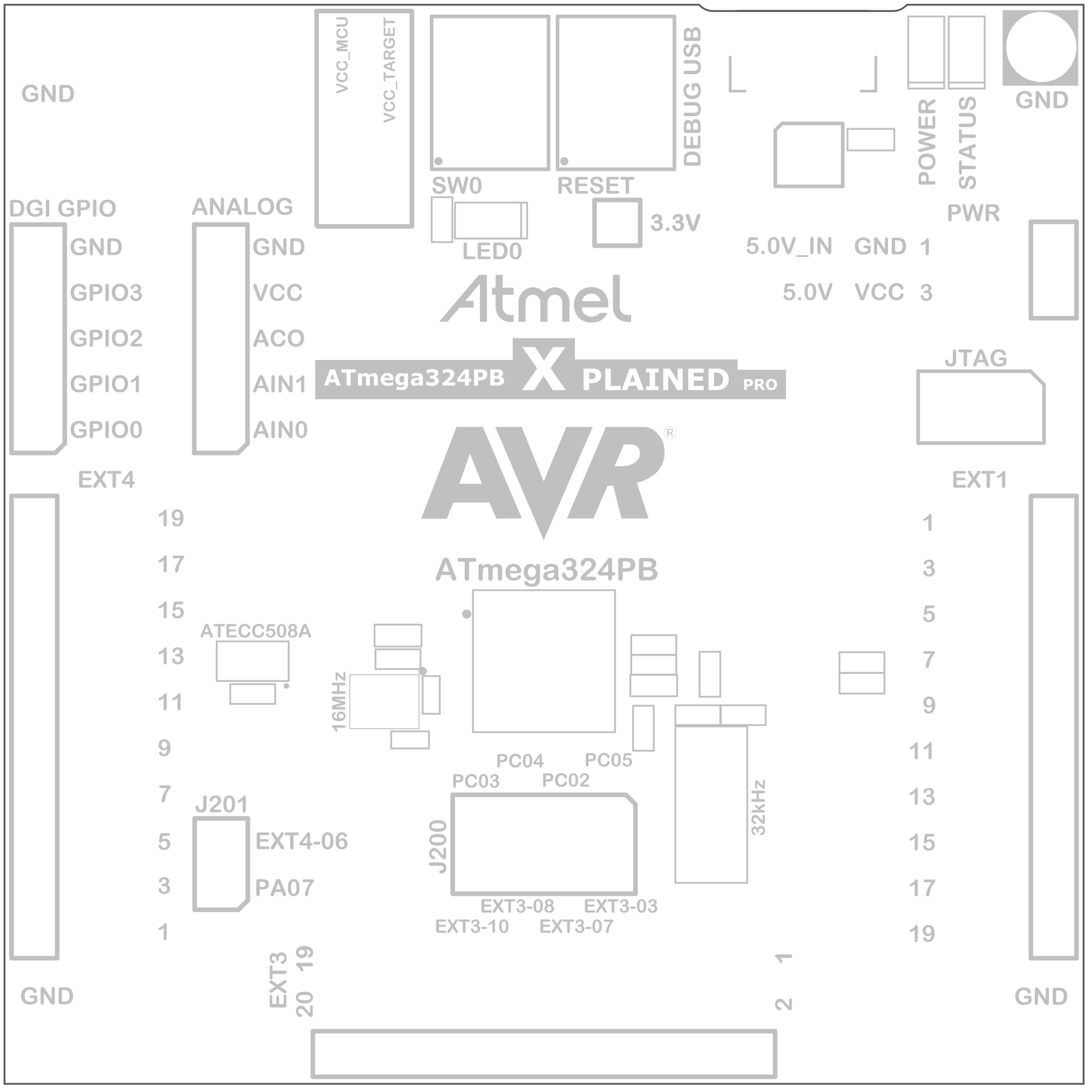
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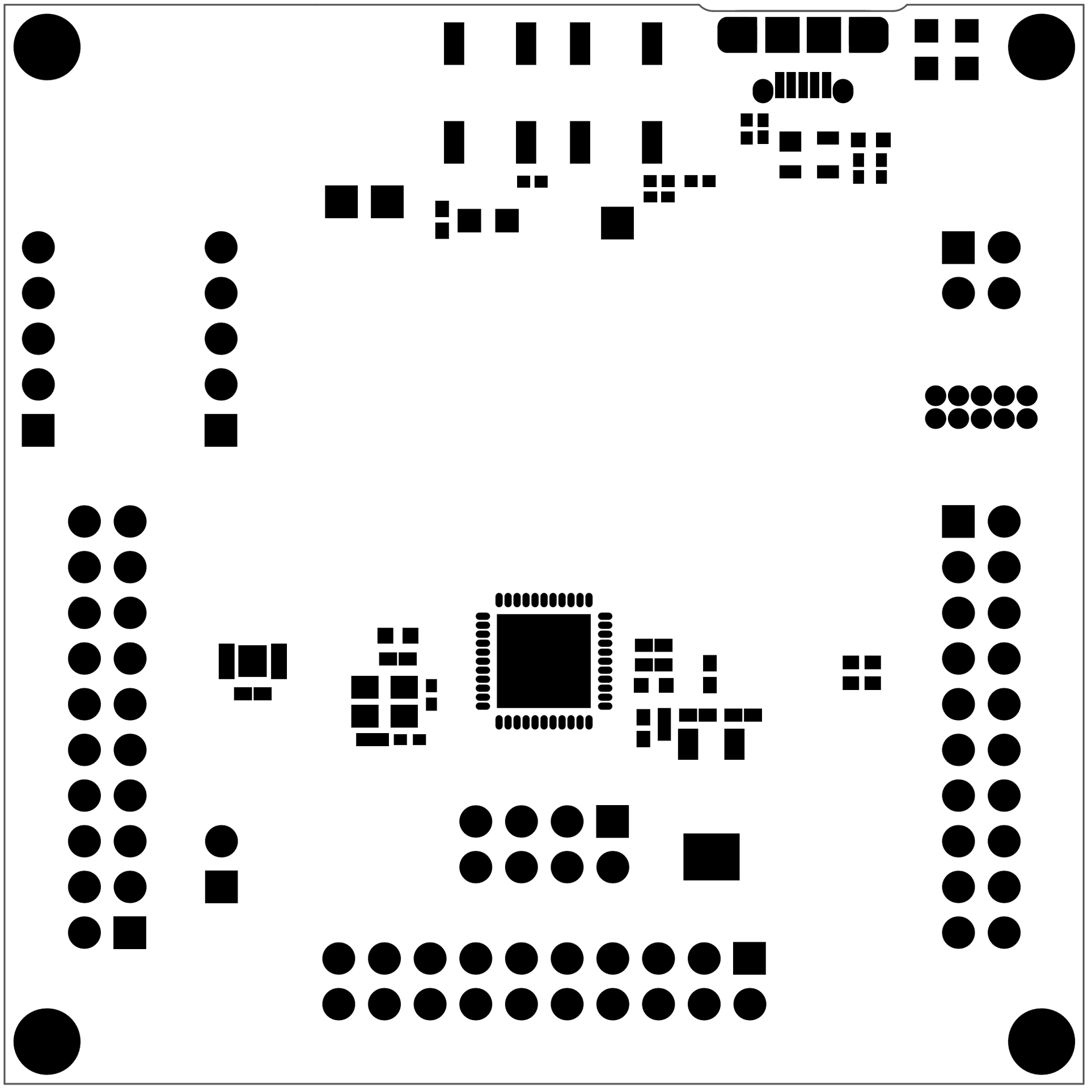
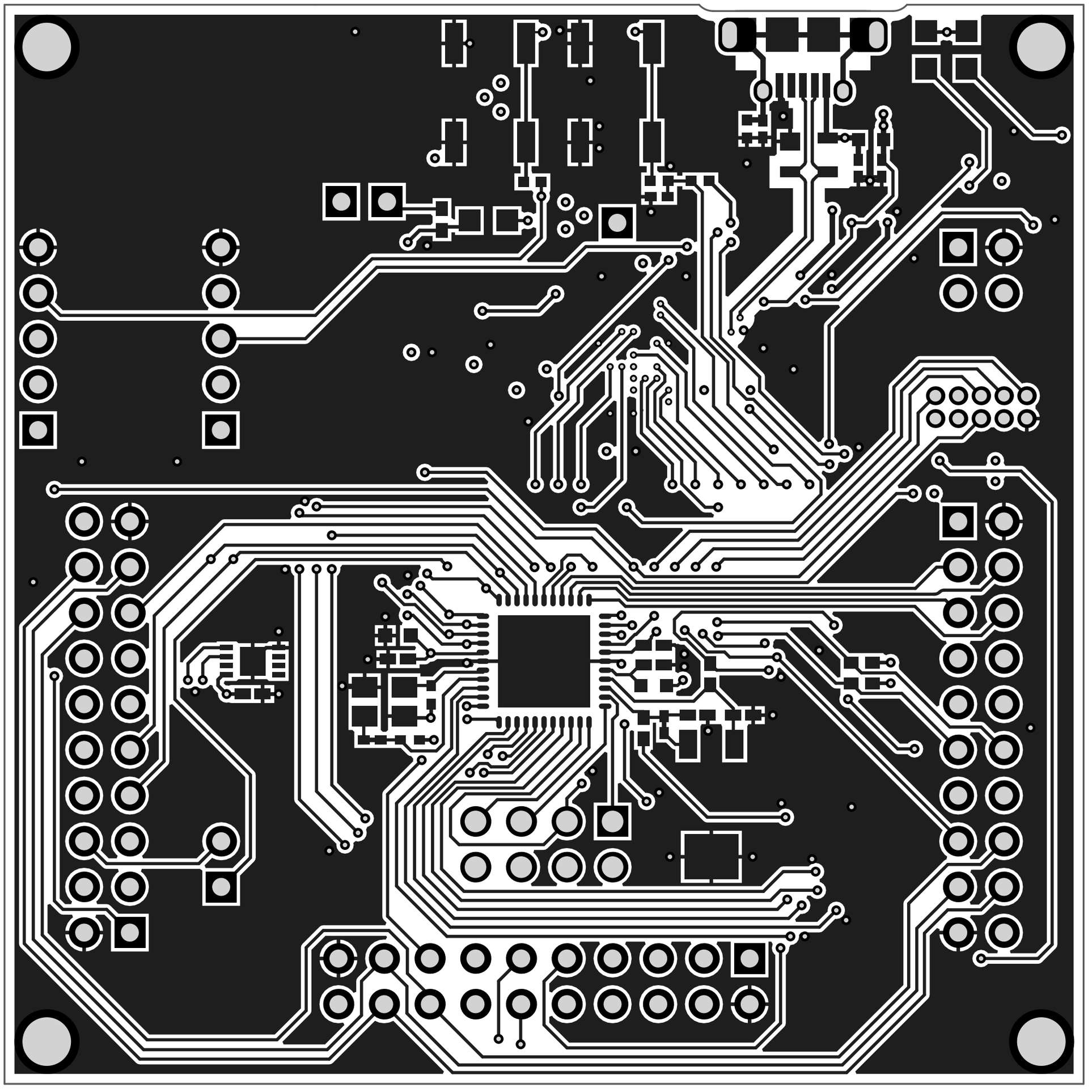
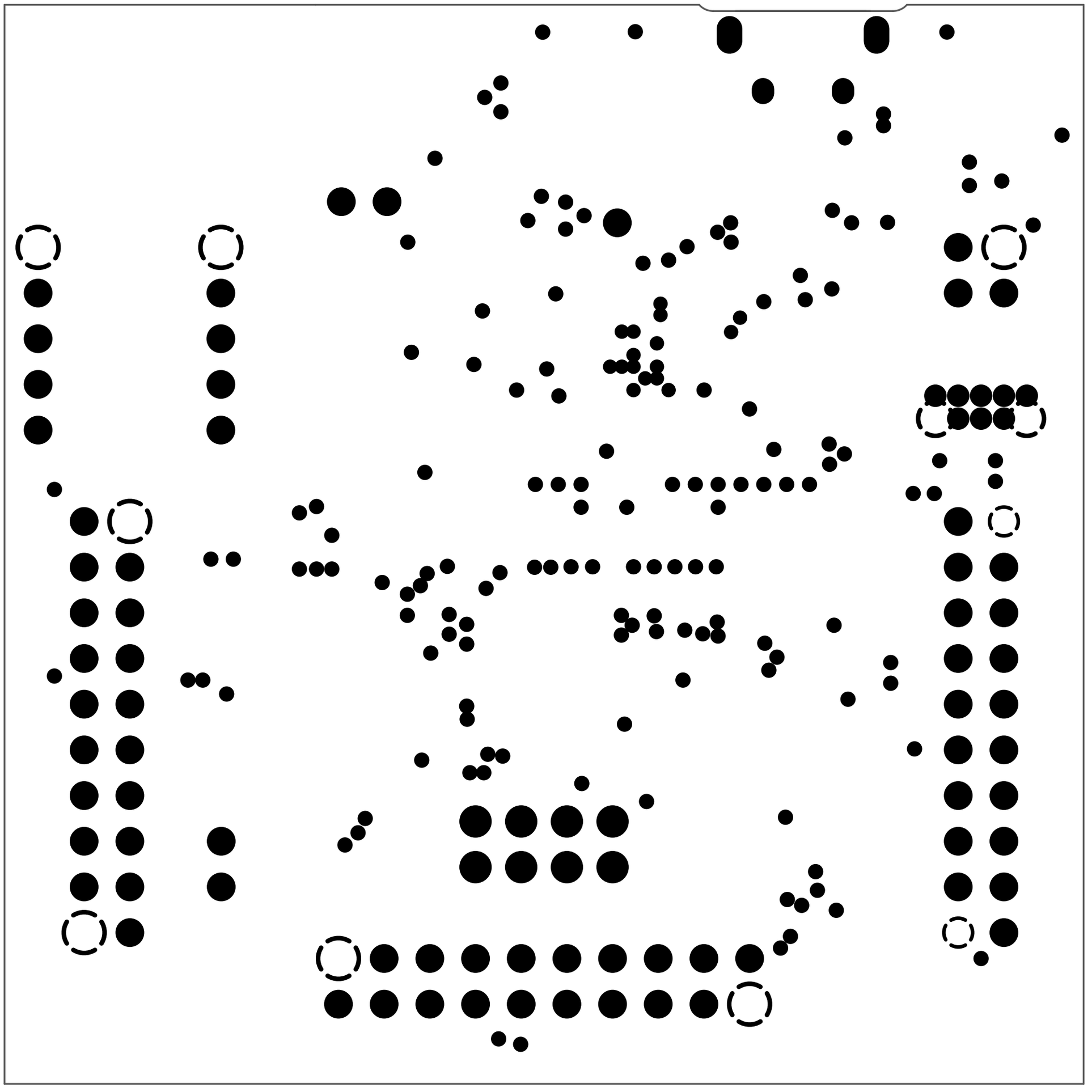
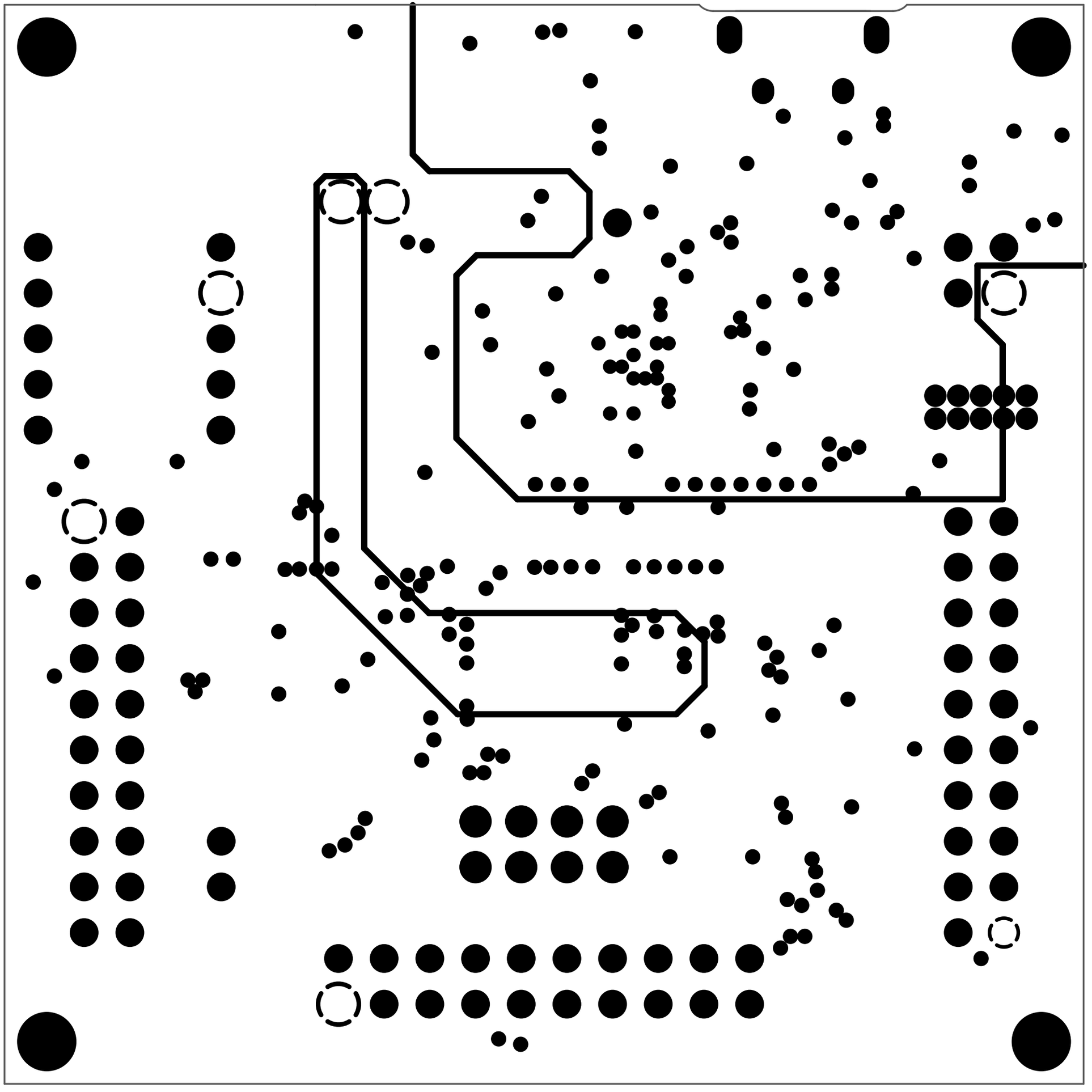
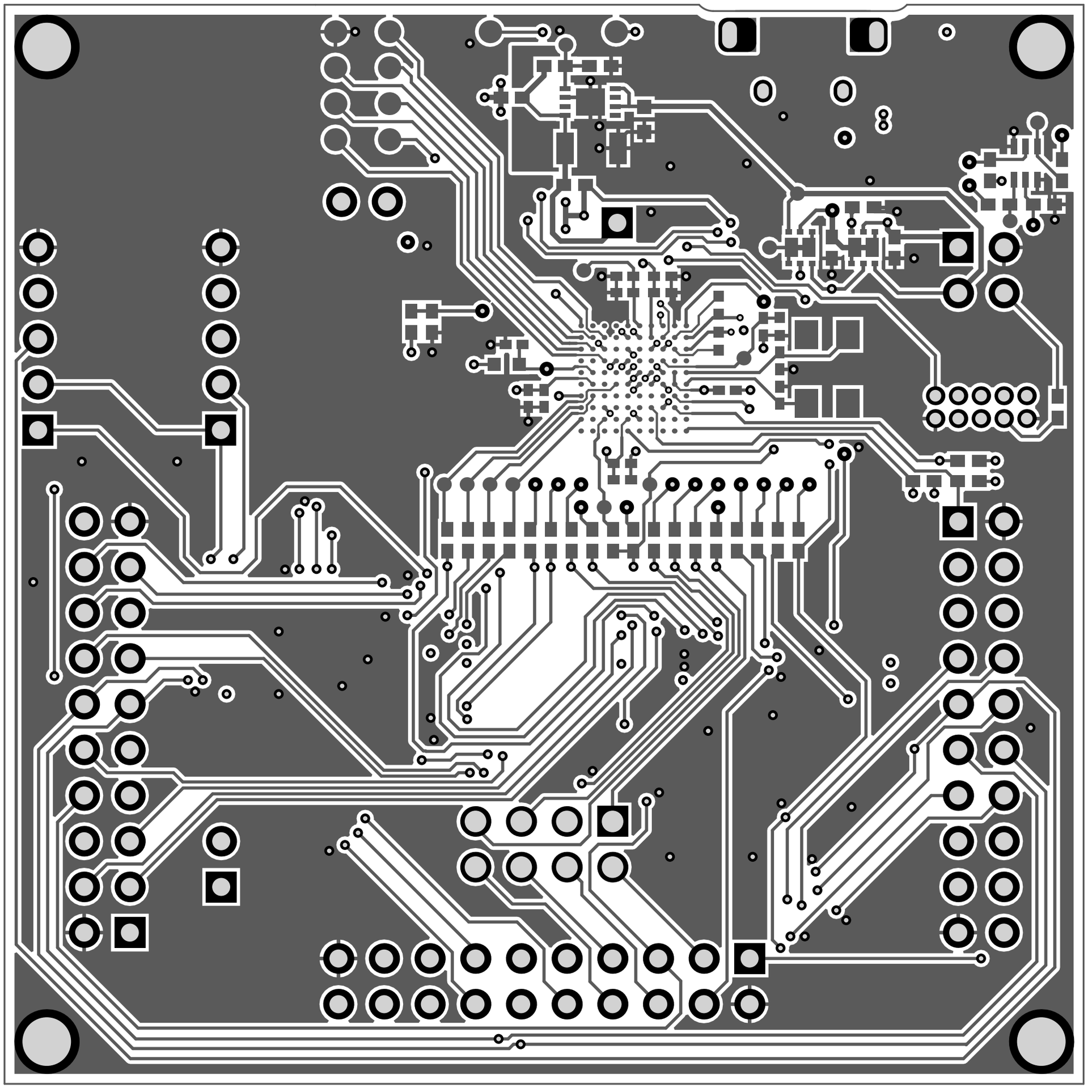
VCC_MCU
VCC_TARGET
SW0
RESET
DEBUG USB
POWER
STATUS
GND
DGI GPIO
ANALOG
LED0
3.3V
PWR
GND
GPIO3
GPIO2
GPIO1
GPIO0
GND
VCC
ACO
AIN1
AIN0
5.0V_IN GND 1
5.0V VCC 3
Atmel
ATmega324PB XPLAINED PRO
JTAG
AVR
EXT4
EXT1
19
17
15
13
11
9
7
5
3
1
ATmega324PB
ATECC508A
16MHz
PC04
PC05
PC03
PC02
J201
EXT4-06
PA07
J200
32kHz
EXT3-08
EXT3-03
EXT3-10
EXT3-07
EXT3
20
GND
GND

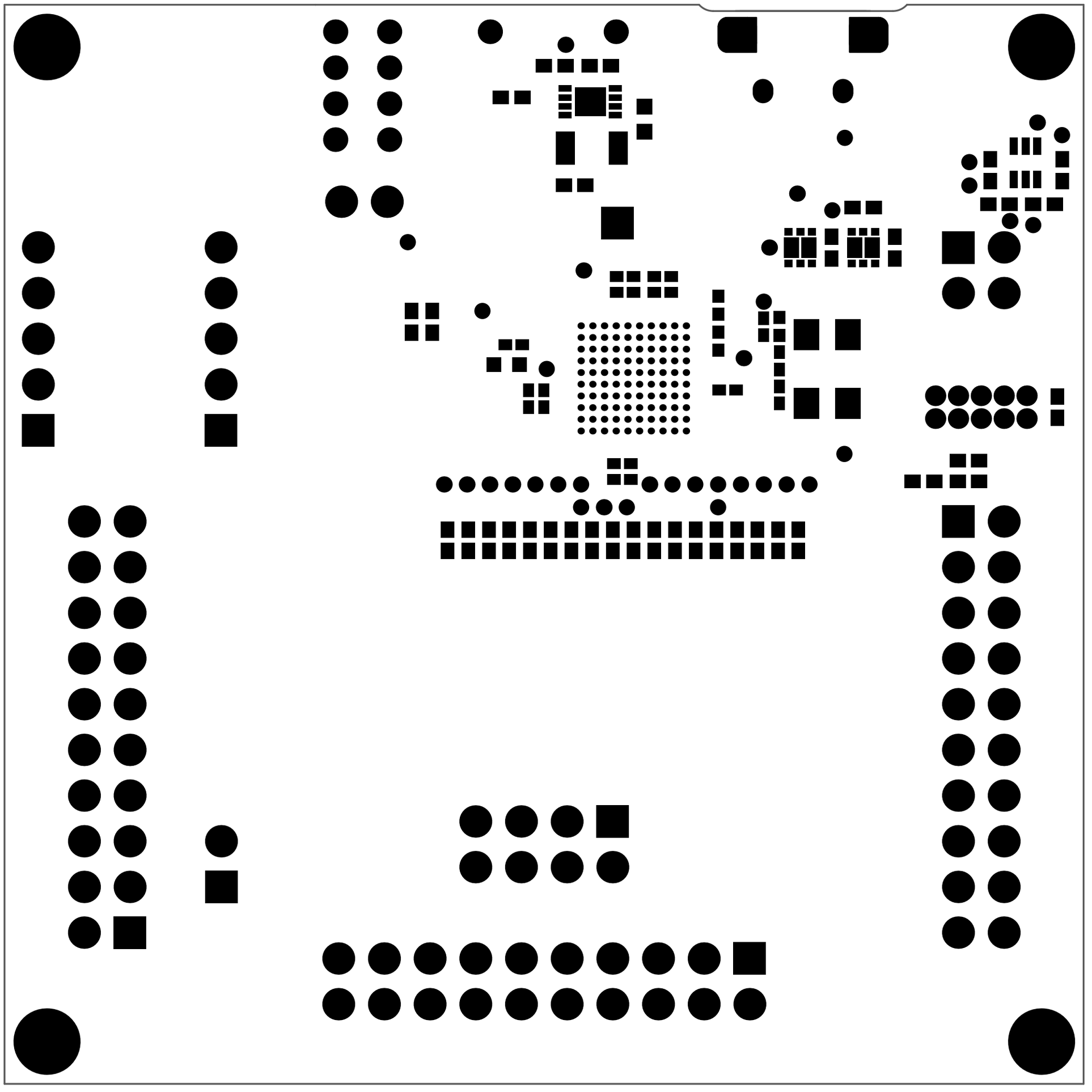
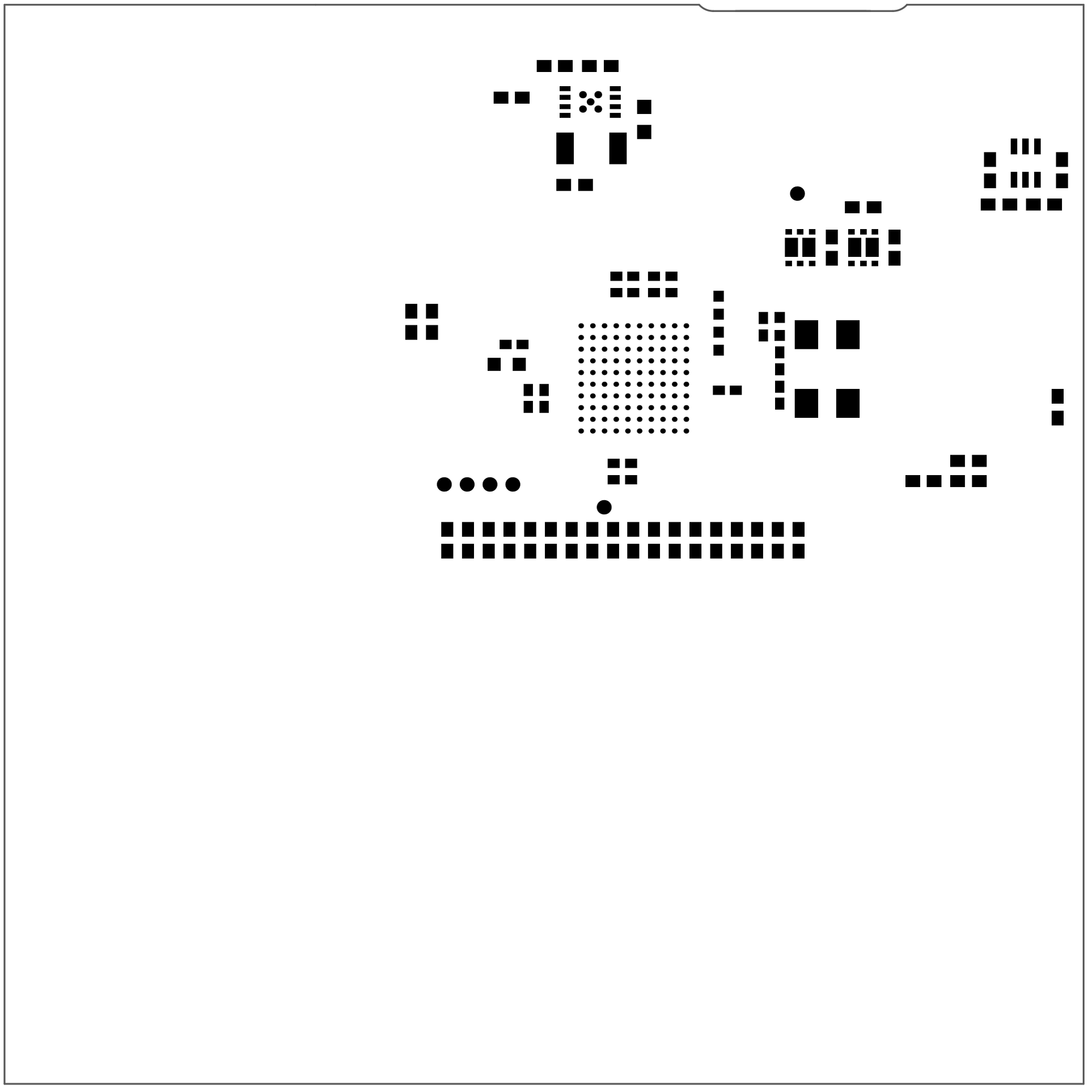












BOOT
RST
TDO
VCC
GND
TCK
TDI
TMS
3.3V
EXT
GND
3.3V
5.0V
ANALOG
GND
VCC
PC05
PB03
PB02
DGI GPIO
GND
PC06
PC01
PB02
PB04
GND
ID
PA01
PA03
PD04
PC00
PE06
PD01
PB05
PB07
VCC
GND
PB06
PB00
PE02
PE05
PB02
PB03
PA06
PA04
ID
GND
GPIO
JTAG
UART
SPI
REMOVE RESISTORS TO DISCONNECT EDBG
Atmel Corp © 2015
PCBA LABEL
A08-2447 Rev 1
EXTENSION HEADER
XPLAINED PRO
GND ID
ADC- ADC+
GPIO1 GPIO0
PWM- PWM+
SPI_SS_B IRQ
TWI_SCL TWI_SDA
UART_TX UART_RX
SPI_MOSI SPI_SS_A
SPI_SCK SPI_MISO
VCC GND
TDI TCK TDO TMS
ID
PC02
PE04
PC03
PD02
PD03
PB01
PB02
GND
GND
PC01
PC02
PC03
PE03
PD03
PD02
PB02
PB01
VCC